

## ABSTRACT OF THE DISCLOSURE

An inexpensive sheet with excellent evenness and a desired uniform thickness can be obtained by cooling a base having protrusions, dipping the surfaces of the protrusions of the cooled base into a melt material containing 5 at least one of a metal material and a semiconductor material for crystal growth of the material on the surfaces of the protrusions. In addition, by rotating a roller having on its peripheral surface protrusions and a cooling portion for cooling said protrusions, the surfaces of the cooled protrusions can be dipped into a melt material containing at least one of a metal 10 material and a semiconductor material for crystal growth of the material on the surfaces of the protrusions. Thus, a sheet with a desired uniform thickness can be obtained without slicing process.